

TDMS No. 99023 - 01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene
CAS Number: 123-35-3

Date Report Requested: 06/08/2009
Time Report Requested: 12:50:40
First Dose M/F: 01/29/01 / 01/30/01
Lab: BAT

F2_R2

C Number: C99023
Lock Date: 10/17/2001
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
0 G/KG		1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X						1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy			1								1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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I .. Insufficient tissue

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	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Glandular + + + + + + + + + + **10**

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + **10**

Heart + + + + + + + + + + **10**

Inflammation, Chronic Active 1 1 1 1 1 1 1 1 1 1 **5 1.0**

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + **10**

Hyperplasia, Focal 1 1 **2 1.0**

Adrenal Medulla + + + + + + + + + + **10**

Islets, Pancreatic + + + + + + + + + + **10**

Parathyroid Gland + + + + + + + + + + **10**

Pituitary Gland + + + + + + + + + + **10**

Thyroid Gland + + + + + + + + + + **10**

GENERAL BODY SYSTEM

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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0 G/KG	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node											1
Deep Cervical, Ectasia											1 2.0
Deep Cervical, Hyperplasia, Lymphoid											1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
0 G/KG	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Spleen	+	+	+	+	+	+	+	+	+	+	10

Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM											

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10

Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM											

Bone	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM											

Brain	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM											

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	1	1			1				1	5 1.0
Metaplasia, Osseous										1	1 1.0

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	
0 G/KG		1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	0	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM												
Eye		+	+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Porphyrin											1	1 1.0
URINARY SYSTEM												
Kidney		+	+	+	+			+	+	+		7
Nephropathy		1	1	1	1			1	1	1		7 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10

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	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0.25 G/KG	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose + + + + + + + + + + 10

SPECIAL SENSES SYSTEM

Harderian Gland + + + + + + + + + + 10
 Pigmentation, Porphyrin 1 1 1 1 1 1 1 1 1 1 3 1.0

URINARY SYSTEM

Kidney + + + + + + + + + + 10
 Nephropathy 1 1 1 1 1 1 1 1 1 1 10 1.0
 Renal Tubule, Accumulation, Hyaline Droplet 2 2 2 2 2 2 2 2 2 2 10 2.0

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
0		0	0	0	0	0	0	0	0	0	0
9		9	9	9	9	9	9	9	9	9	9
3		3	3	3	3	3	3	3	3	3	3
.....											
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
0.25 G/KG		2	2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
											* TOTALS
Renal Tubule, Degeneration		1	1	1	1	1	1	1	1	1	1
											10 1.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	3	9	9	9	9	9	9	9
	3	3	2	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0.5 G/KG	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus											1		
Perforation											4	1 4.0	
Intestine Large, Cecum											+	1	
Intestine Large, Colon											+	1	
Intestine Large, Rectum											+	1	
Intestine Small, Duodenum											+	1	
Intestine Small, Ileum											+	1	
Intestine Small, Jejunum											+	1	
Liver											+	2	
Hepatodiaphragmatic Nodule												X	1
Pancreas											+	1	
Salivary Glands											+	1	
Stomach, Forestomach											+	1	

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	3	9	9	9	9	9	9	9
	3	3	2	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS MALE ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	1
0.5 G/KG	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Stomach, Glandular + 1

CARDIOVASCULAR SYSTEM

Blood Vessel + 1

Heart + 1

ENDOCRINE SYSTEM

Adrenal Cortex + 1

Adrenal Medulla + 1

Islets, Pancreatic + 1

Parathyroid Gland + 1

Pituitary Gland + 1

Thyroid Gland + 1

GENERAL BODY SYSTEM

NONE

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	3	9	9	9	9	9	9	9
	3	3	2	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0.5 G/KG	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Epididymis										1
Preputial Gland										1
Prostate										1
Seminal Vesicle										1
Testes										1

HEMATOPOIETIC SYSTEM

Bone Marrow										1	
Lymph Node	+	+					+	+			4
Deep Cervical, Ectasia	2	1					1	2			4 1.5
Deep Cervical, Hyperplasia, Lymphoid	4	3					2	2			4 2.8
Lymph Node, Mandibular	M									0	
Lymph Node, Mesenteric										1	
Spleen	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE		3	3	3	3	3	3	3	3	3	3
0.5 G/KG		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
* TOTALS											
Atrophy		2									1 2.0
Thymus		+									1
INTEGUMENTARY SYSTEM											
Mammary Gland		+									1
Skin		+									1
MUSCULOSKELETAL SYSTEM											
Bone		+									1
Skeletal Muscle		+									1
NERVOUS SYSTEM											
Brain		+									1
RESPIRATORY SYSTEM											
Lung		+									1

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	0	0	0	0	0	0	0	0	0	0	
	9	9	3	9	9	9	9	9	9	9	
	3	3	2	3	3	3	3	3	3	3	
<hr/>											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0.5 G/KG	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
<hr/>											
Nose Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	10 1 1.0
Trachea			+								1
<hr/>											
SPECIAL SENSES SYSTEM											
<hr/>											
Eye			+								1
Harderian Gland Pigmentation, Porphyrin	+	+	+	+	+	+	+	+	+	+	10 7 1.0
			1		1	1	1	1	1	1	
<hr/>											
URINARY SYSTEM											
<hr/>											
Kidney Nephropathy	+	+	A	+	+	+	+	+	+	+	9 9 1.3
Kidney Nephrosis	1	1		1	1	2	1	2	2	1	1 1.0
Kidney Renal Tubule, Accumulation, Hyaline Droplet				1							9 2.4
Kidney Renal Tubule, Degeneration	3	2		3	2	2	3	2	2	3	9 1.1
	1	1		2	1	1	1	1	1	1	
Urinary Bladder			+								1

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FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
1.0 G/KG		4	4	4	4	4	4	4	4	4	4
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus											1
Intestine Large, Cecum											1
Intestine Large, Colon											1
Intestine Large, Rectum											1
Intestine Small, Duodenum											1
Intestine Small, Ileum											1
Intestine Small, Jejunum											1
Liver											1
Pancreas											1
Salivary Glands											1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular											1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	2	9	9	9	9	9	9	9
	3	3	6	3	3	3	3	3	3	3
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Epididymis	+										1
Preputial Gland	+										1
Prostate	+										1
Seminal Vesicle	+										1
Testes	+										1

HEMATOPOIETIC SYSTEM

Bone Marrow	+										1
Lymph Node	+										1
Deep Cervical, Ectasia	2										1 2.0
Deep Cervical, Hyperplasia, Lymphoid	3										1 3.0
Lymph Node, Mandibular	+										1
Lymph Node, Mesenteric	+										1
Atrophy	1										1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	
											10

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	
1.0 G/KG		4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Thymus		+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM												
Mammary Gland				+								1
Skin				+								1
MUSCULOSKELETAL SYSTEM												
Bone				+								1
NERVOUS SYSTEM												
Brain				+								1
RESPIRATORY SYSTEM												
Lung				+								1
Congestion				2								1 2.0
Nose		+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative											1	1 1.0
Inflammation, Chronic				1	1			1	1	1	1	6 1.0
Olfactory Epithelium, Degeneration					1						1	2 1.0

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 + .. Tissue examined microscopically
 x .. Lesion present
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 M .. Missing tissue
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 1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

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 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	2	9	9	9	9	9	9	9
	3	3	6	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	4	4	4	4	4	4	4	4	4	4
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Trachea											+	1
---------	--	--	--	--	--	--	--	--	--	--	---	---

SPECIAL SENSES SYSTEM

Eye											+	1										
Harderian Gland											+	10										
Pigmentation, Porphyrin		+	+	+	+	+	+	+	+	+		2	1	1	1	1	1	1	1	1	8	1.1

URINARY SYSTEM

Kidney											+	+	+	+	+	+	+	+	+	+	+	10		
Nephropathy											1				1	1	1	1	1	1	1	1	8	1.0
Nephrosis											1	1	1	1	1	1	1	1	1	1	1	1	10	1.0
Renal Tubule, Accumulation, Hyaline Droplet											2	2	1	2	2	3	2	2	3	2	2	10	2.1	
Urinary Bladder																					+	1		

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 1-4 .. Lesion qualified as:
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 Page 19

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	1	9	0
	3	3	3	3	3	3	3	8	3	4
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Atrophy						2	2				2 2.0
Liver	+	+	+	+	+	+	+	+	+	+	10
Fibrosis, Focal					1						1 1.0
Inflammation, Chronic					1						1 1.0
Oral Mucosa				+	+						2
Inflammation, Chronic				2							1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy						1					1 1.0

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	1	9	0
	3	3	3	3	3	3	3	8	3	4
<hr/>										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach Inflammation, Acute	+	+	+	+	+	+	+	+	+	+	10
										1	1 1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex Hemorrhage	+	+	+	+	+	+	+	+	+	+	10
										2	1 2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	+	+	+	+	+	+	9

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 Page 21

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	1	9	0
	3	3	3	3	3	3	3	8	3	4
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Degeneration									4		1 4.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Atrophy									4		1 4.0
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epithelium, Degeneration									2		1 2.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	-----------

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 Page 22

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	1	9	0
	3	3	3	3	3	3	3	8	3	4

FISCHER 344 RATS MALE 2.0 G/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	* TOTALS
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	
		1	2	3	4	5	6	7	8	9	0

Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	10 6 1.7
	1			3	2		1	1		2	
Spleen Atrophy	+	+	+	+	+	+	+	+	+	+	10 10 1.8
	1	2	2	1	2	2	2	1	1	4	
Thymus Necrosis	+	+	+	M	+	+	+	+	+	+	9 1 3.0
										3	

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	1	9	0
	3	3	3	3	3	3	3	8	3	4
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative				3							1 3.0
Inflammation, Chronic	2				1			1			3 1.3
Bronchus, Infiltration Cellular, Polymorphonuclear		2									1 2.0
.....											
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Suppurative		1	1	1							3 1.0
Inflammation, Chronic	1	1	1	2	1	1	1		1		8 1.1
Olfactory Epithelium, Degeneration	3	3	3	3	1	3	3		2		8 2.6
.....											
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Anterior Chamber, Cornea, Inflammation, Suppurative										3	1 3.0
.....											
Harderian Gland	+	+	+	+	+	M	+	+	+	+	9
Pigmentation, Porphyrin	1	1	1	1	1		1	1	1	4	9 1.3
.....											
Lacrimal Gland										+	1

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TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

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First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	1	9	0	
	3	3	3	3	3	3	3	8	3	4	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
2.0 G/KG	5	5	5	5	5	5	5	5	5	5	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Zymbal's Gland	+										1

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	2	2	2	2	2	2	2	1	2		9 1.9
Nephrosis	3	3	3	2	3	3	3	1	3		9 2.7
Renal Tubule, Necrosis										4	1 4.0
.....											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	3	3	3	3	3	3	4	3	3	1
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Acute	2	1	2	3	2	2	3	3	3		9 2.3
Ulcer				2			3	2	3	2	5 2.4

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+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
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 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1
	3	3	3	3	3	3	4	3	3	3	1	

FISCHER 344 RATS MALE 4.0 G/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0									

*** TOTALS**

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
--------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 27

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	3	3	3	3	3	3	4	3	3	1
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	4	10 1 4.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	M	+	+	+	+	+	+	+	9
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen Atrophy	+	+	+	+	+	+	+	+	+	+	10 10 4.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

Page 28

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

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 Time Report Requested: 12:50:40
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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1
	3	3	3	3	3	3	4	3	3	3	1	
.....												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0		

*** TOTALS**

Atrophy							3						1 3.0
Necrosis	4	4	4	3	3	4		4	4	4			9 3.8

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+			10
Skin	+	+	+	+	+	+	+	+	+	+			10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+			10
------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+			10
-------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+			10
Nose	+	+	+	+	+	+	+	+	+	+			10
Inflammation, Suppurative	2	2	2		2	2		2	2				7 2.0
Metaplasia, Squamous				1						2			2 1.5
Olfactory Epithelium, Degeneration	4	4	4	2	3	3		4	4	4			9 3.6

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Page 29

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	1	
	3	3	3	3	3	3	4	3	3	3	1	
<hr/>												
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	0	
4.0 G/KG	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	6	6	6	6	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
<hr/>												
Respiratory Epithelium, Necrosis	4	4	4	2	3	3		4	4	4		9 3.6
Trachea	+	+	+	+	+	+	+	+	+	+		10
<hr/>												
SPECIAL SENSES SYSTEM												
<hr/>												
Eye	+	+	+	+	+	+	+	+	+	+		10
Harderian Gland	+	+	+	+	+	+	+	+	+	+		10
Pigmentation, Porphyrin	4	4	4	4	4	4	1	4	4	4		10 3.7
<hr/>												
URINARY SYSTEM												
<hr/>												
Kidney	+	+	+	+	+	+	+	+	+	+		10
Nephropathy	1											1 1.0
Renal Tubule, Necrosis									2			1 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+		10
<hr/>												

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

Page 30

1-4 .. Lesion qualified as:

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 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

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 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<hr/>										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 G/KG	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1										1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal				1							1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Glandular + + + + + + + + + + **10**

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + **10**

Heart + + + + + + + + + + **10**

Inflammation, Chronic Active 1 **1 1.0**

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + **10**

Adrenal Medulla + + + + + + + + + + **10**

Islets, Pancreatic + + + + + + + + + + **10**

Parathyroid Gland + + + + + M + + + + **9**

Pituitary Gland + + + + + + + + + + **10**

Thyroid Gland + + + + + + + + + + **10**

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Endometrium, Hyperplasia, Cystic							1				1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node										+	1
Deep Cervical, Ectasia										3	1 3.0
Deep Cervical, Hyperplasia, Lymphoid										3	1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 G/KG	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	-----------

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1	1	1		1						4 1.0
Metaplasia, Osseous					1						1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

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Page 34

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

	0	0	0	0	0	0	0	0	0	0
DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 G/KG	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Porphyrin	1	1		1							3 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy				1							1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Species/Strain: RATS/F 344/N

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Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0.25 G/KG	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS

Deep Cervical, Hyperplasia, Lymphoid	2	2	1	3 1.7
--------------------------------------	---	---	---	--------------

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Porphyrin		1		1	1					1	4 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy								1		1	2 1.0
Renal Tubule, Degeneration	1	1	1	1	1	1	1	1	1	1	10 1.0

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I .. Insufficient tissue

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1-4 .. Lesion qualified as:

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TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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beta-Myrcene

CAS Number: 123-35-3

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Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0.25 G/KG	2	2	2	2	2	2	2	2	2	2	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
Renal Tubule, Mineralization					1					1	2 1.0

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+ .. Tissue examined microscopically

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0.5 G/KG	3	3	3	3	3	3	3	3	3	3	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

ALIMENTARY SYSTEM

Liver											+											1
Hepatodiaphragmatic Nodule											X											1

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node	+	+	+																			5	
Deep Cervical, Ectasia	1		1						1	3												4	1.5
Deep Cervical, Hyperplasia, Lymphoid	2		3	3					2	2												5	2.4
.....																							
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
0.5 G/KG	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS

Thymus											+		1
Hemorrhage											2		1 2.0

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+		10
------	---	---	---	---	---	---	---	---	---	---	--	----

SPECIAL SENSES SYSTEM

Harderian Gland	+	+	+	+	+	+	+	+	+	+		10
Pigmentation, Porphyrin			1							1		2 1.0

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 40

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0
0.5 G/KG		3	3	3	3	3	3	3	3	3
		5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9
										0
* TOTALS										
Kidney		+	+	+	+	+	+	+	+	+
Nephropathy							1	1		
Renal Tubule, Degeneration		1	1	1	1	1	1	1	1	1
Renal Tubule, Mineralization							1			
										10
										3 1.0
										10 1.0
										1 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
1.0 G/KG		4	4	4	4	4	4	4	4	4	4
		5	5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus												+	1									
Intestine Large, Cecum												+	1									
Intestine Large, Colon												+	1									
Intestine Large, Rectum												+	1									
Intestine Small, Duodenum												+	1									
Intestine Small, Ileum												+	1									
Intestine Small, Jejunum												+	1									
Liver												+	+	2								
Fibrosis, Focal													1	1 1.0								
Hepatodiaphragmatic Nodule												X		1								
Inflammation, Chronic													1	1 1.0								
Pancreas												+		1								
Salivary Glands												+		1								
Stomach, Forestomach												+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	6	9	9	9	9
	3	3	3	3	3	4	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	4	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Stomach, Glandular

+

1

CARDIOVASCULAR SYSTEM

Blood Vessel

+

1

Heart

+

1

ENDOCRINE SYSTEM

Adrenal Cortex

+

1

Adrenal Medulla

+

1

Islets, Pancreatic

+

1

Parathyroid Gland

+

1

Pituitary Gland

+

1

Thyroid Gland

+

1

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 43

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	6	9	9	9	9
	3	3	3	3	3	4	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	4	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Clitoral Gland											+											1
Ovary											+											1
Uterus											+											1

HEMATOPOIETIC SYSTEM

Bone Marrow											+											1
Lymph Node											+											1
Deep Cervical, Hyperplasia, Lymphoid											3											1 3.0
Lymph Node, Mandibular											M											0
Lymph Node, Mesenteric											+	+	+									3
Atrophy											1	1										2 1.0
Spleen											+	+	+	+	+	+	+	+	+	+	10	
Atrophy																1						1 1.0
Thymus											+	+	+	+	+	+	+	+	+	+	10	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	6	9	9	9	9
	3	3	3	3	3	4	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	4	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

INTEGUMENTARY SYSTEM

Mammary Gland	+	1
Skin	+	1

MUSCULOSKELETAL SYSTEM

Bone	+	1
------	---	---

NERVOUS SYSTEM

Brain	+	1
-------	---	---

RESPIRATORY SYSTEM

Lung	+										1	
Vein, Thrombosis	2										1	2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative	1										1	1.0
Inflammation, Chronic	1	1	1	1	1	1	1	1	1	1	9	1.0
Olfactory Epithelium, Degeneration	2							1			2	1.5
Respiratory Epithelium, Necrosis	1										1	1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	6	9	9	9	9
	3	3	3	3	3	4	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
1.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	4	4	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Trachea											+		1
---------	--	--	--	--	--	--	--	--	--	--	---	--	----------

SPECIAL SENSES SYSTEM

Eye											+		1
-----	--	--	--	--	--	--	--	--	--	--	---	--	----------

Harderian Gland	+	+	+	+	+	+	+	+	+	+			10
Pigmentation, Porphyrin			1				1	1		1			4 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+			10
Nephropathy		1	1		1			1					4 1.0
Nephrosis	1	1	1	1	1	1	1	1	1	1			10 1.0
Renal Tubule, Mineralization								1					1 1.0

Urinary Bladder											+		1
-----------------	--	--	--	--	--	--	--	--	--	--	---	--	----------

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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Page 46

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
0		0	0	0	0	0	0	0	0	0	0
9		9	9	0	9	9	0	8	9	0	0
3		3	3	4	3	3	3	7	3	2	0
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0	0
2.0 G/KG											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum Atrophy	+	+	+	+	+	+	+	+	+	+	10	1 3.0
Intestine Small, Jejunum Atrophy	+	+	+	+	+	+	+	+	+	+	10	1 3.0
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule												1
Bile Duct, Hyperplasia										1		1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Page 47

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	0	9	9	0	8	9	0
	3	3	3	4	3	3	3	7	3	2
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

* TOTALS

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Acute	1			2			2			2	4 1.8
Ulcer				3			2				2 2.5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

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+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue
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BLANK .. Not examined microscopically
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2) Mild 4) Marked

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	0	9	9	0	8	9	0
	3	3	3	4	3	3	3	7	3	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Endometrium, Hyperplasia, Cystic						1					1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node											1
Deep Cervical, Ectasia						1					1 1.0
Deep Cervical, Hyperplasia, Lymphoid						3					1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Atrophy			1	3	1	2					4 1.8

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 49

TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	0	9	9	0	8	9	0		
	3	3	3	4	3	3	3	7	3	2		
.....												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
2.0 G/KG	5	5	5	5	5	5	5	5	5	5		
	5	5	5	5	5	5	5	5	5	6		
	1	2	3	4	5	6	7	8	9	0		
												* TOTALS
Spleen	+	+	+	+	+	+	+	+	+	+		10
Atrophy	1	1	1	4	1	1	3	3	1	2		10 1.8
.....												
Thymus	+	+	+	+	+	+	+	+	+	+		10
Atrophy				3								1 3.0
Necrosis		1		1			2					3 1.3
.....												
INTEGUMENTARY SYSTEM												
.....												
Mammary Gland	+	+	+	+	+	+	+	+	+	+		10
.....												
Skin	+	+	+	+	+	+	+	+	+	+		10
.....												
MUSCULOSKELETAL SYSTEM												
.....												
Bone	+	+	+	+	+	+	+	+	+	+		10
.....												
NERVOUS SYSTEM												
.....												
Brain	+	+	+	+	+	+	+	+	+	+		10
.....												
RESPIRATORY SYSTEM												
.....												
Lung	+	+	+	+	+	+	+	+	+	+		10
Inflammation, Chronic	1		1			1			1			4 1.0

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 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	0	9	9	0	8	9	0
	3	3	3	4	3	3	3	7	3	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
2.0 G/KG	5	5	5	5	5	5	5	5	5	5
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Metaplasia, Osseous	1										1 1.0
.....											
Nose	+ + + + + + + + + +										10
Inflammation, Suppurative	1	1	1	2		4			1		6 1.7
Inflammation, Chronic	2	1	1		2						4 1.5
Olfactory Epithelium, Degeneration	3	3	3	4	2	3			2		7 2.9
Respiratory Epithelium, Necrosis	2					3					2 2.5
.....											
Trachea	+ + + + + + + + + +										10
Inflammation, Chronic	2										1 2.0

SPECIAL SENSES SYSTEM

Eye	+ + + + + + + + + +										10
Cataract	3										1 3.0
Posterior Chamber, Exudate	4										1 4.0
Retina, Atrophy	2										1 2.0
.....											
Harderian Gland	+ + + + + + + + + +										10
Pigmentation, Porphyrin				2	1		2		1	2	5 1.6

URINARY SYSTEM

Kidney	+ + + + + + + + + +										10
Nephropathy			1								1 1.0
Nephrosis	1	1	1		1	1		2	1		7 1.1
Renal Tubule, Mineralization									1		1 1.0

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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
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TDMS No. 99023 - 01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

beta-Myrcene

CAS Number: 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	0	9	9	0	8	9	0	
	3	3	3	4	3	3	3	7	3	2	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
2.0 G/KG	5	5	5	5	5	5	5	5	5	5	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
										* TOTALS	
Renal Tubule, Necrosis	3			4							2 3.5
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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I .. Insufficient tissue

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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 beta-Myrcene
 CAS Number: 123-35-3

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 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	2	3	3	3	3
<hr/>										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	6	6	6	6	6	6	6	6	6	6
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Acute	3	3	3	3	2	3	3	3	2	3	10 2.8
Ulcer		2	2					3			3 2.3

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	2	3	3	3	3		
<hr/>												
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
4.0 G/KG	6	6	6	6	6	6	6	6	6	6	6	
	5	5	5	5	5	5	5	5	5	5	5	
	1	2	3	4	5	6	7	8	9	0		* TOTALS
<hr/>												
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
CARDIOVASCULAR SYSTEM												
<hr/>												
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Heart	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
ENDOCRINE SYSTEM												
<hr/>												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
<hr/>												
GENERAL BODY SYSTEM												
NONE												

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TDMS No. 99023 - 01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

Date Report Requested: 06/08/2009
 Time Report Requested: 12:50:40
 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	2	3	3	3	3
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6
	5	5	5	5	5	5	5	5	5	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Atrophy	4	4	4	4	4	3	3	4	4	4	10 3.8
Thymus	+	+	+	+	+	+	+	+	+	+	10
Necrosis	3	3	3	3		1	1		4	3	8 2.6

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	-----------

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TDMS No. 99023 - 01
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 Route: GAVAGE
 Species/Strain: RATS/F 344/N

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beta-Myrcene
 CAS Number: 123-35-3

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 First Dose M/F: 01/29/01 / 01/30/01
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	2	3	3	3	3
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	6	6	6	6	6	6	6	6	6	6
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Skin	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	-----------

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	-----------

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10	
Metaplasia, Osseous										1		1 1.0
Alveolus, Necrosis, Acute					4							1 4.0
.....												
Nose	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative	1	1	2		2	4	1	1	2	2		9 1.8
Olfactory Epithelium, Degeneration	4	4	4	2	4	4	4	4	4	4		10 3.8
Respiratory Epithelium, Necrosis	4	4	4	2	4	4	4	4	4	4		10 3.8
.....												
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	2	3	3	3	3
<hr/>										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
4.0 G/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	6	6	6	6	6	6	6	6	6	6
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Porphyrin	4	4	4	4	4	4	4	4	4	4	10 4.0
Lacrimal Gland										+	1
Epithelium, Degeneration										1	1 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Atrophy										4	1 4.0
Renal Tubule, Mineralization	1										1 1.0
Renal Tubule, Necrosis		4		4							2 4.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

*** END OF REPORT ***

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